

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/09623

			200, 0000	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H02M1/08				
According to International Patent Classification (IPC) or to both national classification and IPC				
	S SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> H02M1/00-1/30, 7/00-7/98, 5/00-5/48, H01L29/78, 25/00-25/16				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Jitsuyo Shinan Koho 1922–1996 Jitsuyo Shinan Toroku Koho 1996–2003  Kokai Jitsuyo Shinan Koho 1971–2003 Toroku Jitsuyo Shinan Koho 1994–2003				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap		Relevant to claim No.	
Y A	WO 98/10508 A1 (HITACHI, LTD 12 March, 1998 (12.03.98), Page 12, line 10 to page 13, Figs. 14 to 15 & EP 1028520 A1		1-4,14-18 5-13,19-27	
Y	US 2002/0034089 A1 (HITACHI, 21 March, 2002 (21.03.02), Full text; Fig. 3 & JP 2002-84766 A	LTD.),	1-4,14-18	
Y	JP 10-225138 A (Meidensha Co 21 August, 1998 (21.08.98), Full text; Fig. 4 (Family: none)	rp.),	1-4,14-18	
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.		
Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance  earlier document but published on or after the international filing date  document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  document referring to an oral disclosure, use, exhibition or other means  document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  29 October, 2003 (29.10.03)		priority date and not in conflict with understand the principle or theory un document of particular relevance; the considered novel or cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot is taken alor document of particular relevance; the considered to involve an inventive st combined with one or more other suc combination being obvious to a person document member of the same paten.  Date of mailing of the international sea	priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
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C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-238260 A (Fuji Electric Co., Ltd.), 23 August, 2002 (23.08.02), Full text; all drawings (Family: none)	
	JP 2000-102253 A (HITACHI, LTD.), 07 April, 2000 (07.04.00), Full text; Fig. 1 (Family: none)	1-27

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